"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, Nikolay Iosafovich; KORZHUYEV, Aleksandr Sergeyevich; SMOLYANINOV, Vladimir Georgiyevich; NIKISHIN, Vladimir Aleksandrovich; NERETINA, Anna Yakovlevna; GEYMAN, M.A., red.; DUBROVINA, N.D., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Using electrochemical methods for stabilizing unstable rocks] Elektrokhimicheskii metod zakrepleniia neustoichivykh gornykh porod. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 77 p. (MIRA 12:5)
(Soil stabilization)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.I.; VINARSKIY, M.S.

Studying absorptive horizons in oil-well drilling. Neft. khoz. 36 no.7:17-23 Jl '58. (MIRA 11:12)
(Rocks--Permeability)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

NIKISHIN, V.A.; TITKOV, N.I.; KORZHUYEV, A.S.

Determining the setting time of cement slurry by means of electric resistance and temperature. Trudy Inst.nefti 11:73-84 '58.
(MIRA 11:12)
(Portland cement)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.I.; KORZHUYEV, A.S.; NIKISHIN, V.A.; SMOLYANINOV, V.G.

Using electric current for strengthening rocks in well walls.
Trudy Inst.nefti 11:85-110 '58. (MIRA 11:12)
(Rocks) (Electric currents)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.I.; LYUBIMOV, G.A.; SFERINA, I.D.

Testing turbine drive for deep-well drilling. Trudy Inst.nefti 11:111-120 '58. (MIRA 11:12)
(Turbodrills)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.I.; BEREZHNOY A.I.

Increasing plugging properties of cement slurry. Trudy Inst.nefti 11:121-143 '58. (MIRA 11:12)

(Oil well cementing)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.I.; DON, N.S.

Studying the interlocking of cement with stones. Trudy Inst.nefti 11:144-153 '58. (MIRA 11:12)
(Oil well cementing)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.; BOGDANOVA, Z.S.; GALAKTIONOVA, K.N.; KUROVA, M.D.; LAKOTA, B.M.; OZOLIN, L.T.; Prinimali uchastiye: CHRKOVA, K.I.; ASHITKOV, Yu.R.; SMIRNOV, Ye.A.; PLATUNOV, A.A.; GALICH, V.M.; PATKOVSKAYA, N.A.; VLODAVSKIY, I.Kh.; GORLOVSKIY, S.I.

Outlook for introducing the flotation of ferrous metal ores. Gor. zhur. no.9:57-62 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh, Leningrad. (Flotation) (Iron ores) (Manganese ores)

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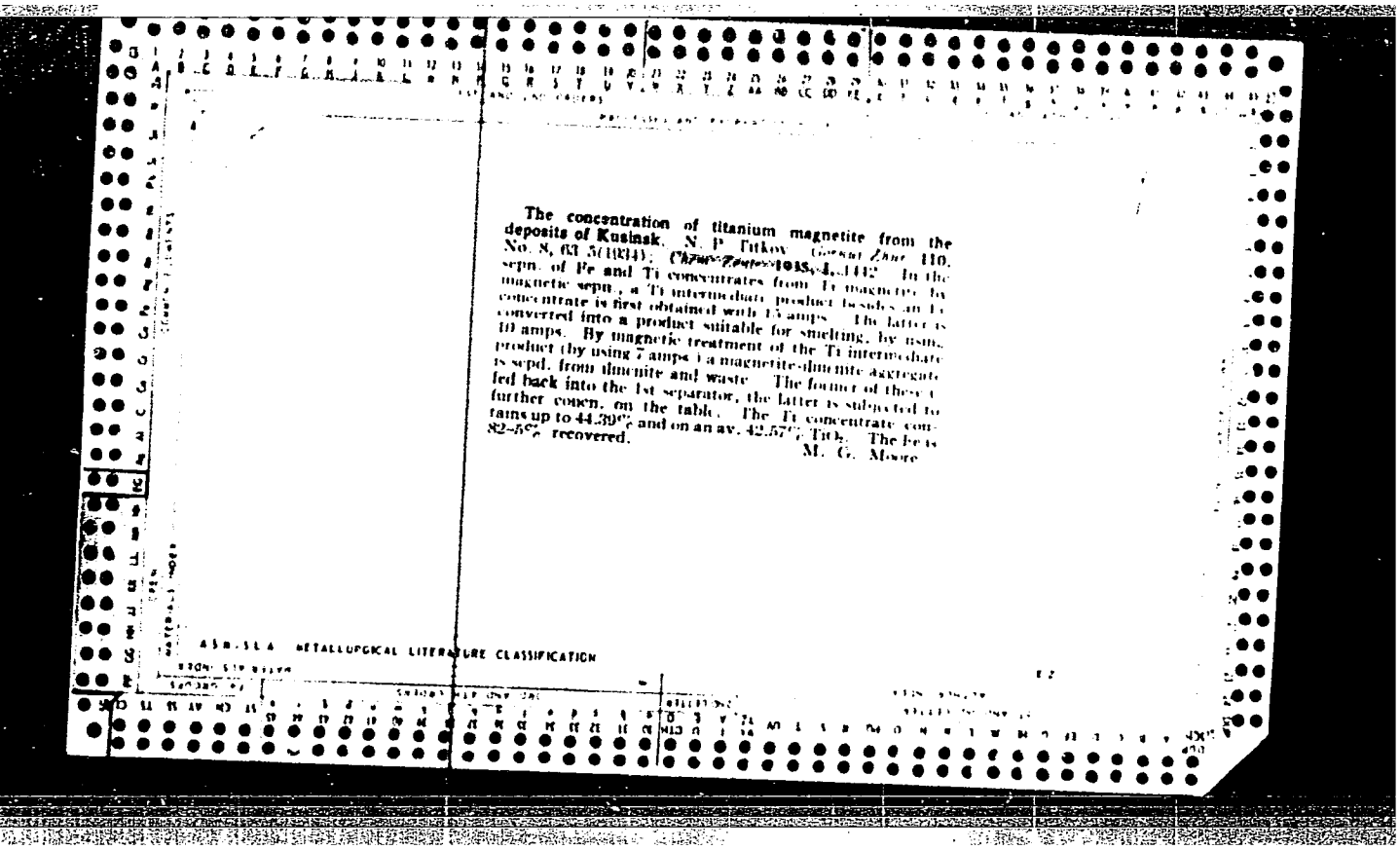

The concentration of titanium magnetite from the deposits of Kusinsk. N. P. Litkov. (Gorn. Zhur. 110, No. 8, 63-5(1934)). (Chem. Zentr. 1935, I, 1412.) In the sepn. of Fe and Ti concentrates from Ti magnetite by magnetic sepn., a Ti intermediate product besides an Fe concentrate is first obtained with 1.5 amps. The latter is converted into a product suitable for smelting, by using 10 amps. By magnetic treatment of the Ti intermediate product (by using 7 amps.) a magnetite-ilmenite aggregate is sepd. from ilmenite and waste. The former of these is fed back into the 1st separator, the latter is subjected to further concn. on the table. The Ti concentrate contains up to 44.39% and on an av. 42.57% TiO2. The Fe is 82–85% recovered.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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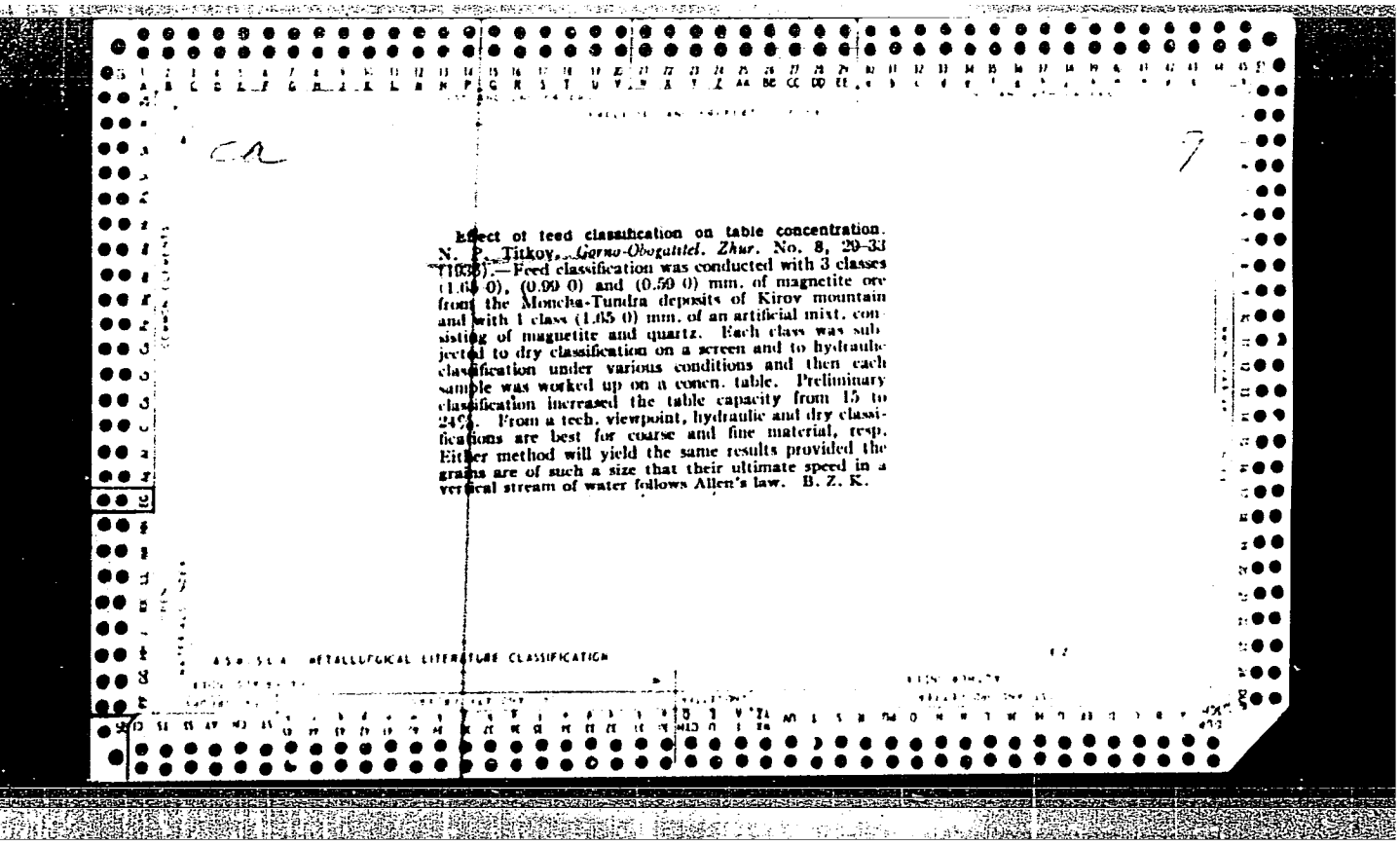

Effect of feed classification on table concentration. N. P. Titkov. *Gorno-Obogatitel. Zhur.* No. 8, 29–33 (1938).—Feed classification was conducted with 3 classes (1.65 0), (0.99 0) and (0.50 0) mm. of magnetite ore from the Moncha-Tundra deposits of Kirov mountain and with 1 class (1.65 0) mm. of an artificial mixt. consisting of magnetite and quartz. Each class was subjected to dry classification on a screen and to hydraulic classification under various conditions and then each sample was worked up on a concn. table. Preliminary classification increased the table capacity from 15 to 24%. From a tech. viewpoint, hydraulic and dry classifications are best for coarse and fine material, resp. Either method will yield the same results provided the grains are of such a size that their ultimate speed in a vertical stream of water follows Allen's law. B. Z. K.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

"The Bendelyar Type Jigging Machine" Tsvet. Met. 14, No 7, July 1939.

[redacted] Report U-1506, 4 Oct. 1939.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

"The Preparation of Material Before Concentration on Tables", (bk) by N.P. Titkov. Reviewed by A. Troitskiy. Tsvet. Met. 14, No 7, July 1939.

[redacted] Report U-1506, 4 Oct. 1951.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

Candidate of Technical Sciences "An Efficient System of Preparing Material Before Its Concentration On Tables", Tsvet. Met. 14, No 12, December 1939.

[redacted] Report U-1506, 4 Oct. 1951.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

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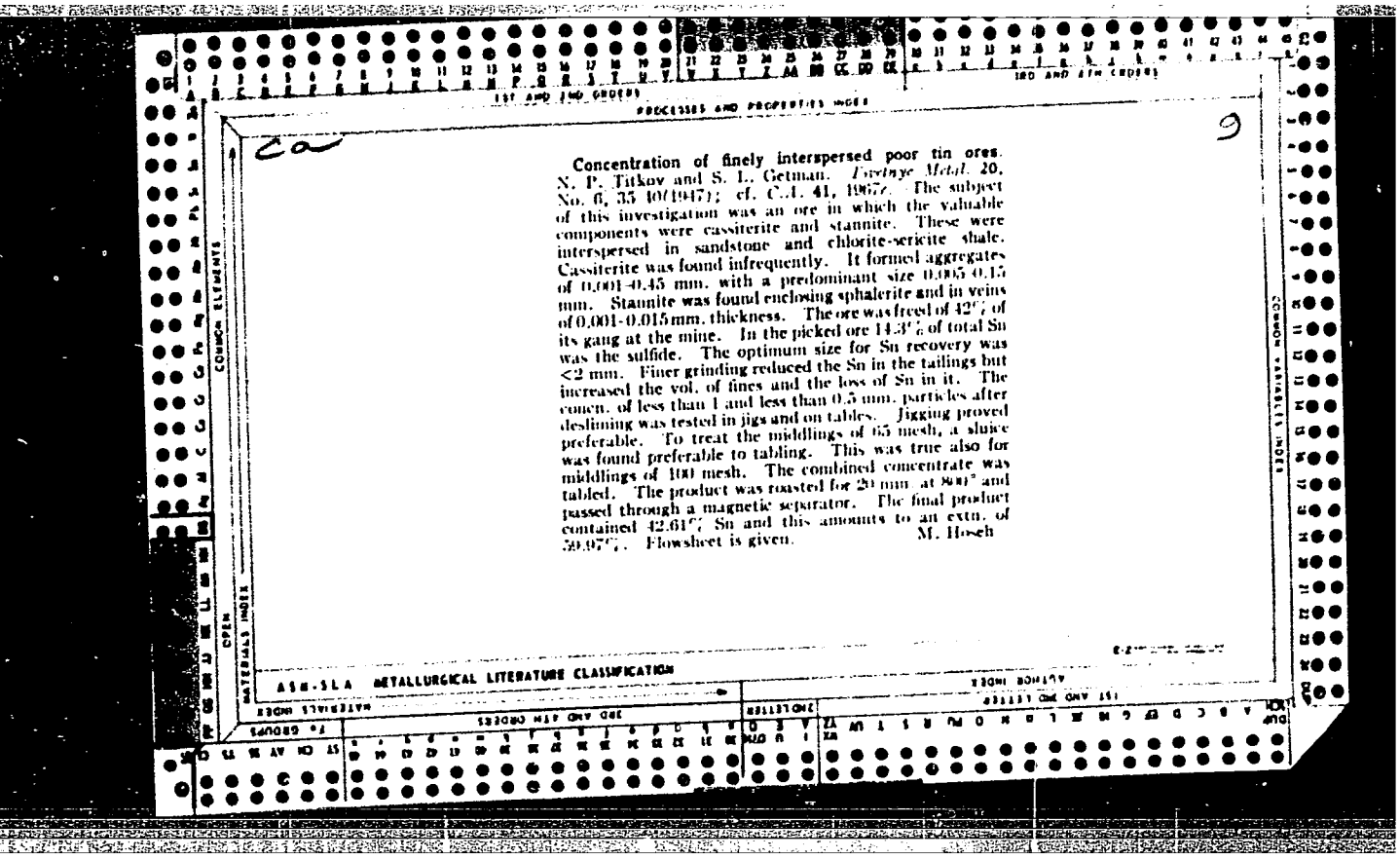

Concentration of finely interspersed poor tin ores. N. P. Titkov and S. L. Getman. *Tsvetnye Metal.* 20, No. 6, 35-40(1947); cf. C.A. 41, 1967c. The subject of this investigation was an ore in which the valuable components were cassiterite and stannite. These were interspersed in sandstone and chlorite-sericite shale. Cassiterite was found infrequently. It formed aggregates of 0.001-0.45 mm. with a predominant size 0.005-0.15 mm. Stannite was found enclosing sphalerite and in veins of 0.001-0.015 mm. thickness. The ore was freed of 42% of its gang at the mine. In the picked ore 14.3% of total Sn was the sulfide. The optimum size for Sn recovery was <2 mm. Finer grinding reduced the Sn in the tailings but increased the vol. of fines and the loss of Sn in it. The concn. of less than 1 and less than 0.5 mm. particles after deslimming was tested in jigs and on tables. Jigging proved preferable. To treat the middlings of 65 mesh, a sluice was found preferable to tabling. This was true also for middlings of 100 mesh. The combined concentrate was tabled. The product was roasted for 20 min. at 800° and passed through a magnetic separator. The final product contained 42.61% Sn and this amounts to an extn. of 59.97%. Flowsheet is given.

M. Hoseh

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N. P.

Titkov, N. P. "A plan for manganese ore beneficiations" Nauch, inform. byulleten' (Vsesoyuz. nauch.-issled. i proyekt. in-t mekhan. obrabotki poleznykh iskopayemykh), No. 3, 1948, p. 85-107

SO: U-3050, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

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TITKOV, N.P., kand. tekhn. nauk

Basic trends in the development of iron ore dressing techniques.
Gor.zhur. no.11:7-15 N '48. (MIRA 11:11)

1. Institut Mekhanobr.
(Iron ores) (Ore dressing)

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[illegible], A. P.

29032 Opyt intensifikatsii paboty kontsentrats ionnogo stola. Gornyy zhurnal, 1949, № 9, S. 33-34

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

Riffles on concentration tables. TSvet. met. 26 no.2:80 Mr-Ap '53.
(Ore dressing) (MLRA 10:9)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N. P.

137-1957-12-23019

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 22 (USSR)

AUTHOR: Titkov, N. P.

TITLE: The Concentration of Oxidized Iron Ores Coming From the Mikhaylovsk KMA Deposits (Obogashcheniye okislennykh zheleznykh rud Mikhaylovskogo mestorozhdeniya KMA)

U

PERIODICAL: Obogashcheniye rud, 1957, Nr 1, pp 24-27

ABSTRACT: An investigation on the concentration capacity of ores was performed by concentration methods based on magnetic roasting (MC), gravitation (GC), and flotation (FC) for various sizes of particles of crushed ore and of intermediate products. The FC experiments were conducted in an alkaline medium with cation (IM-1) and anion (oxidized kerosene and a mixture of oxidized white spirit with acid petroleum asphalt) collectors. A smaller Fe content in the tailings and a larger extraction of it into the concentrate is achieved with a collector composed of 90 percent of oxidized white spirit and 10 percent of acid petroleum asphalt. The consumption of calcined soda and of the collector mixture is 1.5 and 0.42 kg/t respectively. The results of the gravitational-

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The Concentration of Oxidized Iron Ores (cont.)

flotational concentration (GFC), the FC, and the MC are practically identical when the dead rock of the ore is primarily quartz and contains only a small amount of Fe silicates. The concentrates obtained by the GFC method contain less SiO_2 and Al_2O_3 and approximately twice as much CaO and MgO, i.e., the coefficient of alkalinity is considerably greater than in concentrates formed by the MC method. Thus, metallurgically speaking, the concentrate of the GFC is of a better grade. Diagrams of MC and GFC are shown.

A. Sh.

1. Metallurgy-USSR 2. Ores-Concentration capacity
3. Chemistry-Applications

Card 2/2

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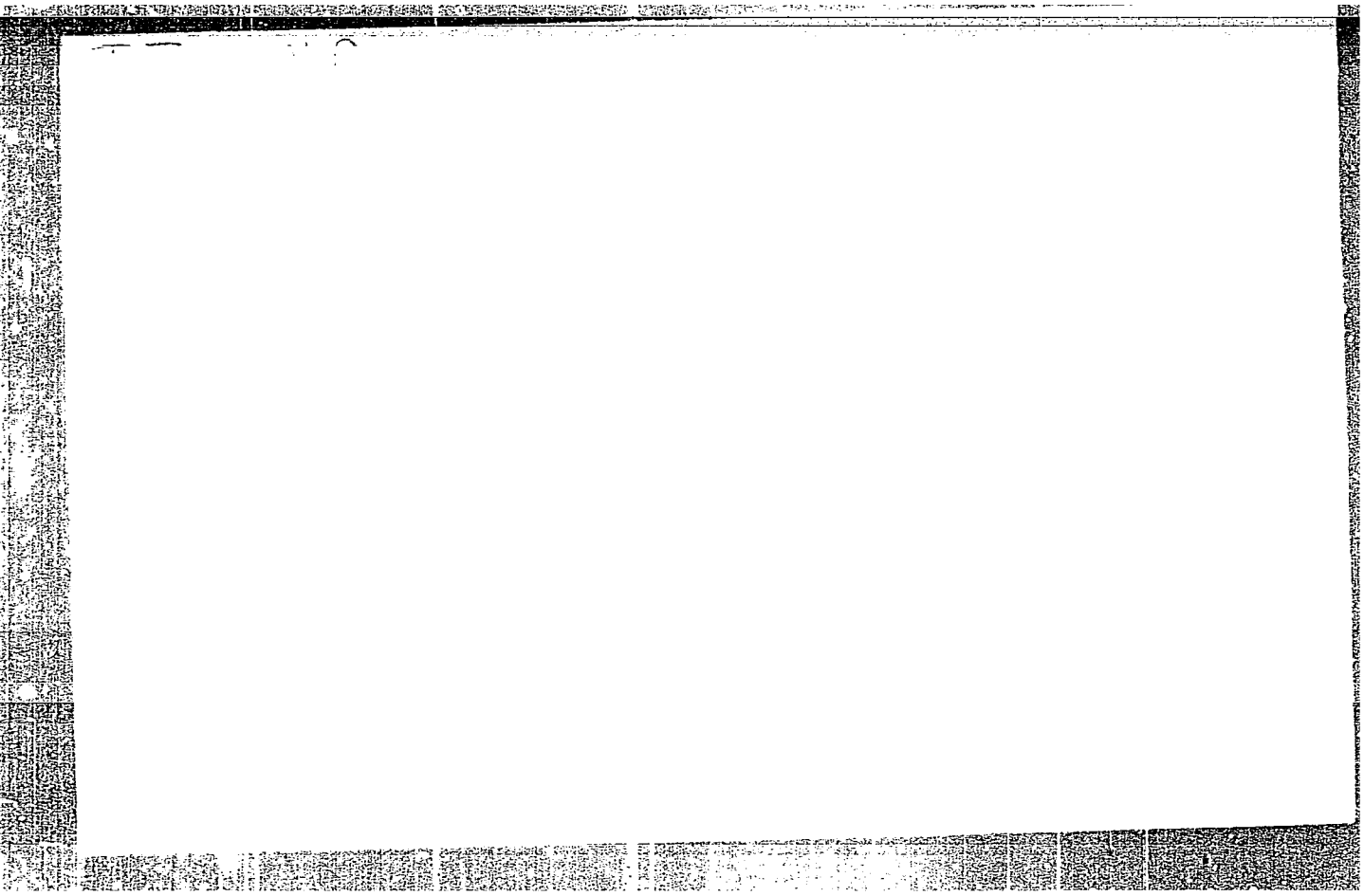

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P., kand. tekhn. nauk

Treatment of iron ores from the "Lisakovskiy" deposit in the eastern Urals. Obog. rud 2 no. 3:9-20 '57. (MIRA 11:8)
(Ural Mountains--Iron ores)
(Ore dressing)

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TITKOV, N.P.; BOGDANOVA, Z.S.; KRUGLIKOV, M.M.; OZOLIN, L.T.; PAVLOVA, K.S.; SHAPIRO, R.B.

Research carried on by the Institute of Mechanical Mineral Processing on iron ore dressing. Obog. rud 2 no.5:42-50 '57. (MIRA 11:11)
(Metallurgical research) (Iron ores) (Ore dressing)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

137-58-6-11297

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 6 (USSR)

AUTHOR: Titkov, N.P.

TITLE: The Concentration of Iron Ores of the Lisakovsk Deposit in the Eastern Urals (Obogashcheniye zheleznykh rud Lisakovskogo mestorozhdeniya Vostochnogo Urala)

PERIODICAL: Obogashcheniye rud, 1957, Nr 3, pp 9-20

ABSTRACT: Investigations made of the beneficiability of various ore specimens showed that oolitic limonites the gangue of which is chiefly in the form of SiO_2 may be dressed successfully by the following methods: roasting and magnetic separation, gravitational plus magnetic separation in a strong field, and strong-field induction-roll magnetic separation. The last two methods yielded concentrates with 46-49% Fe (52-56% in the ferrous-ferric condition), with 90-95% extraction of the Fe. Under laboratory conditions, the first method yielded concentrates with 57-60% Fe, of which up to 97% was extracted. The results of field tests of these methods are presented, as are 3 recommended methods that should be examined, for purposes of technical and economic comparison, when designing a dressing plant. A.Sh.

Card 1/1

1. Iron ores--Processing 2. Iron ores--Properties

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

SOV/ 137-58-7-14019

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 5 (USSR)

AUTHOR: Titkov, N. P.

TITLE: Concentration of Phosphorous Iron Ores of the Yeno-Kovdor Deposit (Obogashcheniye fosforistykh zheleznykh rud Yeno-Kovdorskogo mestorozhdeniya)

PERIODICAL: [Tr.] Vses. n.-i. i proyektn. in-ta mekhan. obrabotki poleznykh iskopayemykh, 1957, Nr 102, pp 107-120

ABSTRACT: Investigations conducted into the dressability of the ores shows that conditioned concentrates for conversion in the open hearth may be obtained with both dry and wet magnetic separation (MS). Industrial experience with dry grinding and dry MS and scientific-research findings make it possible to recommend dry MS as the method to be used to concentrate these ores. However, final selection of the scheme depends upon the quality of the concentrate and may be made as the result of comparative technical and economic calculations. If it appears that concentration will be more economical with wet grinding and wet MS, dry MS of 3-0 and 0.5-0 mm middlings is replaced by wet. This results in eliminating the drying of the initial ore, but dewatering and drying

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SOV/ 137-58-7-14019

Concentration of Phosphorous Iron Ores of the Yeno-Kovdor Deposit

of wet concentrates is introduced instead. A combined scheme including wet and dry MS may be used. The recommendation is made that the ores of this deposit be given complex utilization, i. e., that ferrous and apatite concentrates be produced, toward which end flotation of the MS tailings should be used.

A. Sh.

1. Iron ores--Processing 2. Iron ores--Separation

Card 2/2

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

Preparation of open-hearth furnace sinter from Krivoy Rog iron ores. Obog.rud 3 no.4:17-18 '58. (MIRA 12:2)
(Krivoy Rog--Iron ores) (Sintering)

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SOV/127-58-11-2/16

AUTHOR: Titkov, N.P., Candidate of Technical Sciences

TITLE: Basic Trends in the Development of Concentration Techniques for Ferrous Ores (Osnovnyye napravleniya v razvitii tekhniki obogashcheniya rud chernykh metallov)

PERIODICAL: Gornyy zhurnal, 1958, Nr 11, pp 7 - 15 (USSR)

ABSTRACT: This is a compilation of data on different methods of ore-concentration recommended for various types of iron and manganese ores by the following institutions: Mekhanobr; Mekhanobrchermet; Gipromez; Giproruda; IGD AS USSR; TsNIIchermet: Rudoispytatel'naya stantsiya zavoda Sibelektrostal' (Ore Testing Laboratory of the Sibelektrostal Plant) and the Czechoslovakian Mining Institute. The author stresses that almost all proposed methods are in an embryonic stage of development and have not been tested under operating conditions. Moreover, the equipment necessary for the introduction of these methods of concentration is not yet available. The Uralmash Plant has prepared the blue prints but has not yet started to produce such equipment. Some of the equipment used abroad (Sweden) is being at present studied by the Mekhanobr and

Card 1/2

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Basic Trends in the Development of Concentration Techniques for Ferrous Ores

the Mekhanobrchermet Institutes. The author recommends speeding up the production of this equipment. There are 2 Soviet references.

ASSOCIATION: Institut Mekhanobr (The Mekhanobr Institute)

Card 2/2 1. Iron ores--Processing 2. Manganese ores--Processing

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

18(SOV/127-59-4-17/27

AUTHOR: Titkov, N.P., Candidate of Technical Sciences

TITLE: The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. (Vazhneyshiye nauchno-issledovatel'skiye i opytnyye raboty po obogashcheniyu i okuskovaniyu rud chernykh metallov.) The Results of the Conference on the Coordination of Scientific Research Works. (K itogam soveshchaniya po koordinatsii nauchno-issledovatel'skikh rabot.)

PERIODICAL: Gornyy zhurnal, 1959, Nr 4, pp 63-65 (USSR)

ABSTRACT: In October 1958 a conference took place at Sverdlovsk of representatives of Glavniiproyekt of Gosplan USSR, Mekhanobr, Uralmekhanobr, Mekhanobrchermet, TsNIIchermet, Institute of Metallurgy UFAN, the Sibelektrostal'Plant, Giproruda, Uralgiproruda, the Chelyabinsk branch of Gipromez and Sverdlovsk Sovnarkhoz, for the examination of thematic plans of institutes

Card 1/8

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The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

for 1959 in connection with the rational organization of scientific research and experimental works, speedy solution of most important problems of development of national technique of concentration of ferrous metals ores and preparing technological plans of concentration methods for newly built plants. In November 1958, in Moscow, another conference of the Scientific-Technical Board of the TsNIIchermet on the coordination of scientific-research works in the field of ferrous industry took place. The Board approved the thematic plans of the institutes with slight changes. It also singled out the most important research works to be carried out by several institutes according to fixed programs. For each problem, institutes

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The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

were designated to be in charge. In the field of ore concentration, the most important works were assigned. 1) Industrial experimenting by various methods of iron ores from the Krivoy Rog Basin. It includes research and introduction of heavy suspensions, flotation and magnetic-roasting concentration of ores. Institutions in charge are Mekhanobr, Mekhanobrchermet and industries of the Dnepropetrovsk Sovnarkhoz. 2) Development of concentration schemes for the brown iron ores of the Lisakovo, Kerch' and Serov deposits. Institutions in charge are Mekhanobr, Uralmekhanobr, Mekhanobrchermet, TsNIIchermet and Sibelektrostal'.3) Research and industrial checking of technological concentration schemes of ores from the Sokolovskoye, Sarbay, Korshunovo and Kachkanar deposits. Institutions in charge

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

are Mekhanobr, Uralmekhanobr and the Sibelektrostal'. 4) Development, industrial checking and introduction of concentration schemes to obtain 62-68% concentrates of iron with the maximum extraction of metal from magnetites and oxidized ores of the Krivoy Rog Basin deposits (Vysokaya Gora, Lebyazhinskaya, Kachary, Goroblagodatskaya magnetic concentration plants). In stitutions in charge are Mekhanobr, Mekhanobrchermet, Uralmekhanobr. 5) The introduction of harmless and inexpensive flotation-reagents, development of a method to use returning waters and to neutralize discharge waters after the flotation of the Chiatury manganese tailings, iron ores of the Krivoy Rog Basin, of the KMA and of the Olenogorskoye and Lisakovskoye deposits.

Card 4/8

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The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

Institutions in charge are - Mekhanobr, Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy, inzhenernoy gidrogeologii (All-Union Scientific-Research Institute of Water Supply, Canalization, Hydro-Engineering Constructions and Engineering Hydrogeology)(VODGEO), and TsNIIchermet. 6) The development of the most perfect methods of magnetizing roasting of ores. Institutions in charge - the Sibelektrostal'Plant, Mekhanobrchermet, Mekhanobr, Uralmekhanobr, Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki (All-Union Scientific Research Institute of the Metallurgical Thermal Power Engineering). Institut ispol'zovaniya gaza AN USSR (Institute of Gas Utilization of the AS UkrSSR), the Ural

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

Branch of the AS USSR. 7) Development of technological schemes and equipment for the production of high quality concentrates from the lower quality manganese ores. Institutions in charge - Mekhanobrchermet, Mekhanobr, TsNIIchermet. In the field of caking of ores and concentrates the works were divided as follows: 1(Development and introduction of rational methods of caking different metallurgical reductions (concentrates). Institutions in charge - Mekhanobr, Mekhanobrchermet, Uralmekhanobr, TsNIIchermet, Ukrainskiy institut metallov (Ukrainian Institute of Metals), Institut metallurgii AN SSSR (Metallurgical Institute of the AS USSR), the Sibelektrostal' Plant). 2) Intensification of the process of caking and improvement of the quality of the fluxed

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The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

agglomerate from the finely-crushed concentrate. Institutions in charge - Mekhanobr, Uralmekhanobr, Mekhanobrchermet and TsNIIchermet. 3) Designing and introduction of machines with a caking surface of more than 200 sqm, creation of automatic control methods and of regulating the technological processes with K1-200 machines of the agglomerating shop of the Krivoy Rog Metallurgical Plant. Institutions in charge - Mekhanobr and the Krivoy Rog Metallurgical Plant. In the field of automation of concentrating and agglomerating processes: 1) A compound automation of concentrating processes of their control and regulating operations. Institutions in charge - Mekhanobr, Mekhanobrchermet, Uralmekhanobr, Yuvmetallurgavtomatika, DonUGI, TsPKB of the Energochermet

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SOV/127-59-4-17/27

The Most Important Scientific-Research and Experimental Work on the Concentration and Caking of Ferrous Metal Ores. The Results of the Conference on the Coordination of Scientific Research Works.

Trust. 2) A Compound automation of the agglomerating processes. For executions of all these schemes special experimental stations will be built in different parts of the Union. The Scientific-Technical Board of Coordination drew the attention of the Gosplan USSR to the non-execution of industrial work for the introduction of new concentration methods in Krivoy Rog and in Nikopol' because the RSFSR Gosplan did not organize the production of pulverized ferrosilicium and floto-reagents for the iron and manganese ores, and that the Dnepropetrovsk Sovnarkhoz did not make sure of the timely erection of roasting ovens at YuGOK.

ASSOCIATION: Institut Mekhanobr (Mekhanobr Institute), Leningrad

Card 8/8

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N. P., YEGORKIN, A. N.

"Development of Beneficiation Technology for Hematite Ores."

report submitted for Annual Meeting of American Institute of Mining, Metallurgical and Petroleum Engineers, New York, 14-18 Feb. 60.

Mekhanobr Institute, Leningrad.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

Method of dressing iron ores in the Northern Mining and Ore Dressing Combine. Gor. zhur. no.11:75-76 N '63.

(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh, Leningrad.

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TITKOV, N.P., kand. tekhn. nauk

Dressing iron ores of the Northern Mining and Ore Dressing Combine. Met. i gornorud. prom. no.4:55-58 Jl-Ag '63. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.; ZHUKOVSKIY, N.P.; SHAPIRO, R.B.

Efficient flowsheets for the dressing of iron ores. Obog. rud 5 no.5:3-20 '60. (MIRA 14:8)
(Iron ores) (Ore dressing)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P.

Technology of oxidized iron ore dressing. Trudy Mekhanobr. no. 122:153-190 '59. (MIRA 14:4)
(Ore dressing) (Iron ores)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.P., kand.tekhn.nauk

Efficient extent of iron dressing. Gor.zhur. no.7:62-65 Jl '60. (MIRA 13:7)

1. Institut Mekhanobr, Leningrad.
(Iron ores) (Ore dressing)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, N.S.

Protection of nature is a task for all the people. Zdrav. Ros. Feder. 5 no. 3:3-7 Mr '60. (MIRA 14:2)

1. Nachal'nik Glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR.
(NATURAL RESOURCES)

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TITKOV, N.S.

State of helminthiasis morbidity and control measures in the central districts of the R.S.F.S.R. Med. paraz. i paraz. bol. 33 no.1:74-81 Ja-F '64 (MIRA 18:1)

1. Nachal'nik glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR.

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CZECHOSLOVAKIA

TITKOV, O.; /Affiliation not given_7.

"On Foot on the Moon."

Prague, Radar, Vol , No 4, Dec 66, pp 14 - 15

Abstract: Influence of the change in gravitation on the human body is discussed. Importance of the training of astronauts in an atmosphere simulating the conditions which will be met on the moon is described. Strange aspects due to the reduction of friction force are discussed. No references.

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ACC NR: AP6021228

Flight control with rocket guns, its effectiveness and present use by US astronauts is also discussed. In conclusion, the article analyzes the problem of emergency spacecraft reentry and describes the two means now available. [GC]

SUB CODE: 05, 06/ SUBM DATE: none/

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, P.

A valuable contribution. Geog. v shkole no.4:56 Jl-Ag '47.
(Geography--Study and teaching) (MLRA 9:6)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

BULATOV, N.P., redaktor; [illegible], I.I., redaktor [illegible], F.F.; MALYSHEV, [illegible]; MEL'NIKOV, M.I.; SKATKIN, M.N.; STAVROVSKIY, A.Ye., SHIBANOV, A.A.; SHCHUKIN, S.V.; GONCHAROV, N.K.; redaktor; TITKOV, [illegible], redaktor; [illegible], tekhnicheskiy redaktor.

[General technical training in secondary schools; work practice of city and rural schools] Politekhnicheskoe obuchenie v srednei shkole; iz opyta raboty gorodskikh i sel'skikh shkol. Moskva, 1956. 279 p. (MLRA 9:5)

1.Akademiya pedagogicheskikh nauk RSFSR, Moscow.
(Technical education)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

LOKTIONOVA, N.A.; RASTVOROVA, N.M.; KOVRIZHNYKH, V.G.; KOMAROVA, N.K.; TELIS, M.Ya.; DOBATKIN, V.I., rukovoditel' raboty; Prinimali uchastiye: VINOKUROV, N.G.; PONAGAYBO, Yu.N.; PERETYKINA, I.N.; BULGAKOV, G.F.; PYATUNINA, V.I.; TITKOV, S.M.; KALMYKOV, K.V.; BRASLAVSKIY, D.N.; VEYSMAN, S.Ya.; APER'YANOVA, N.N.; PANTYUSHKOVA, N.S.; PRIVEZENTSEVA, T.V.

Ways to reduce warping of large-size parts made of the AK4-1 alloy. Alium. splavy no.3:271-284 '64.

(MIRA 17:6)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

Titkov, V.

93-6-20/20

AUTHOR: Titkov, V., reviewer

TITLE: A Useful Book on Mechanization of Labor Consuming Operations on Tank Farms (Poleznaya kniga po mekhanizatsii trudoyemkikh protsessov na neftebazakh)

PERIODICAL: Neftyanoye khozyaystvo, 1957, Nr 6, pp. 70-71 (USSR)

ABSTRACT: This is a review of the book "Mechanization of Labor Consuming Operations on Tank Farms (Mekhanizatsiya trudoyemkikh protsessov na neftebazakh) by I.N. Vorotnikov and V.P. Glyadenov, published in 1956 by the State Scientific and Technical Publishing House of the Petroleum and Mineral-Fuel Industry (Gostoptekhizdat). The reviewer criticizes the authors for not giving complete information on the equipment they discuss. For example, in describing the laboratory oil-tank cleaning unit designed by the All-Union Scientific Research Institute for Transportation, Storage, and Use of Petroleum

Card 1/2

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A Useful Book on Mechanization of Labor (cont.) 93-6-20/20

Products (VNIITneft'), the authors fail to mention that this unit has been described in detail in the Transactions of the All-Union Scientific Research Institute for the Processing of Petroleum and Gas and for the Production of Synthetic Liquid Fuel (Trudy VNII NP), Nr 5. In general the reviewer approves of this book and suggests that the Main Administration for Petroleum Marketing (Glavneftesbyt) select the most important equipment listed in the book and organize its production. The reviewer recommends equipping tank farms with UPM-6 type portable hoists of 500 kg lifting capacity for lifting oil barrels.

AVAILABLE: Library of Congress

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TITKOV, V.

Useful book on the mechanization of labor-consuming processes of tank farms. Neft.khoz. 35 no.6:70-71 Je '57. (MLRA 10:7)
(Petroleum engineering)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.

Triumph of socialist industrial relation in the Mongolian People's Republic. Vop. ekon. no.7:90-95 Jl '61. (MIRA 14:7)
(Mongolia--Economic conditions)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.

Radical socialist transformation of the economy of the Mongolian People's Republic. Vop.ekon. no.11:132-140 N '59. (MIRA 12:12)
(Mongolia--Economic conditions)

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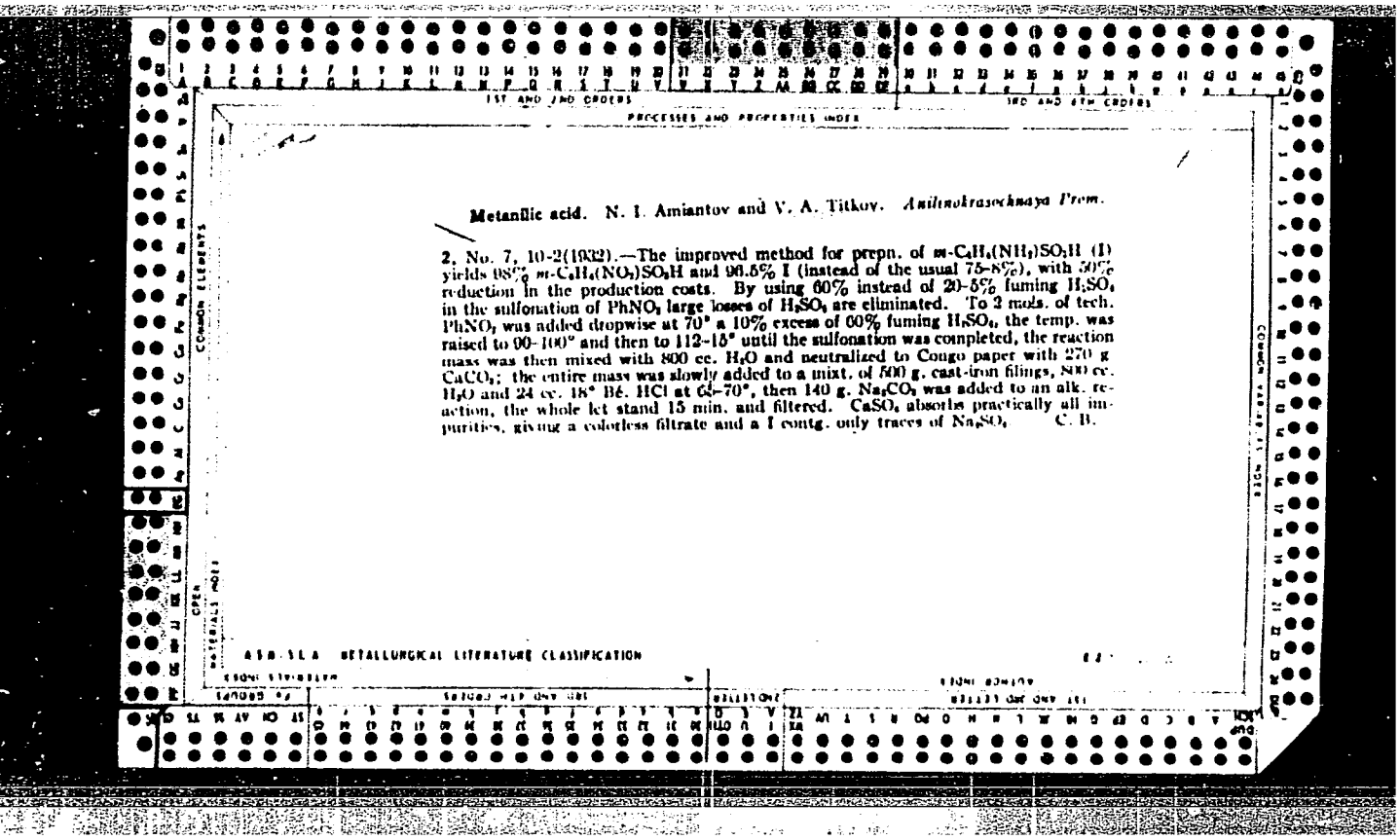

Metanilic acid. N. I. Amiantov and V. A. Titkov. *Anilinokrasochnaya Prom.* 2, No. 7, 10-2(1932).—The improved method for prepn. of *m*-$C_6H_4(NH_2)SO_3H$ (I) yields 98% *m*-$C_6H_4(NO_2)SO_3H$ and 96.5% I (instead of the usual 75–85%), with 50% reduction in the production costs. By using 60% instead of 20–5% fuming H_2SO_4 in the sulfonation of $PhNO_2$ large losses of H_2SO_4 are eliminated. To 2 mols. of tech. $PhNO_2$ was added dropwise at 70° a 10% excess of 60% fuming H_2SO_4, the temp. was raised to 90–100° and then to 112–15° until the sulfonation was completed, the reaction mass was then mixed with 800 cc. H_2O and neutralized to Congo paper with 270 g. $CaCO_3$; the entire mass was slowly added to a mixt. of 500 g. cast-iron filings, 800 cc. H_2O and 24 cc. 18° Bé. HCl at 65–70°, then 140 g. Na_2CO_3 was added to an alk. reaction, the whole let stand 15 min. and filtered. $CaSO_4$ absorbs practically all impurities, giving a colorless filtrate and a I contg. only traces of Na_2SO_4. C. B.

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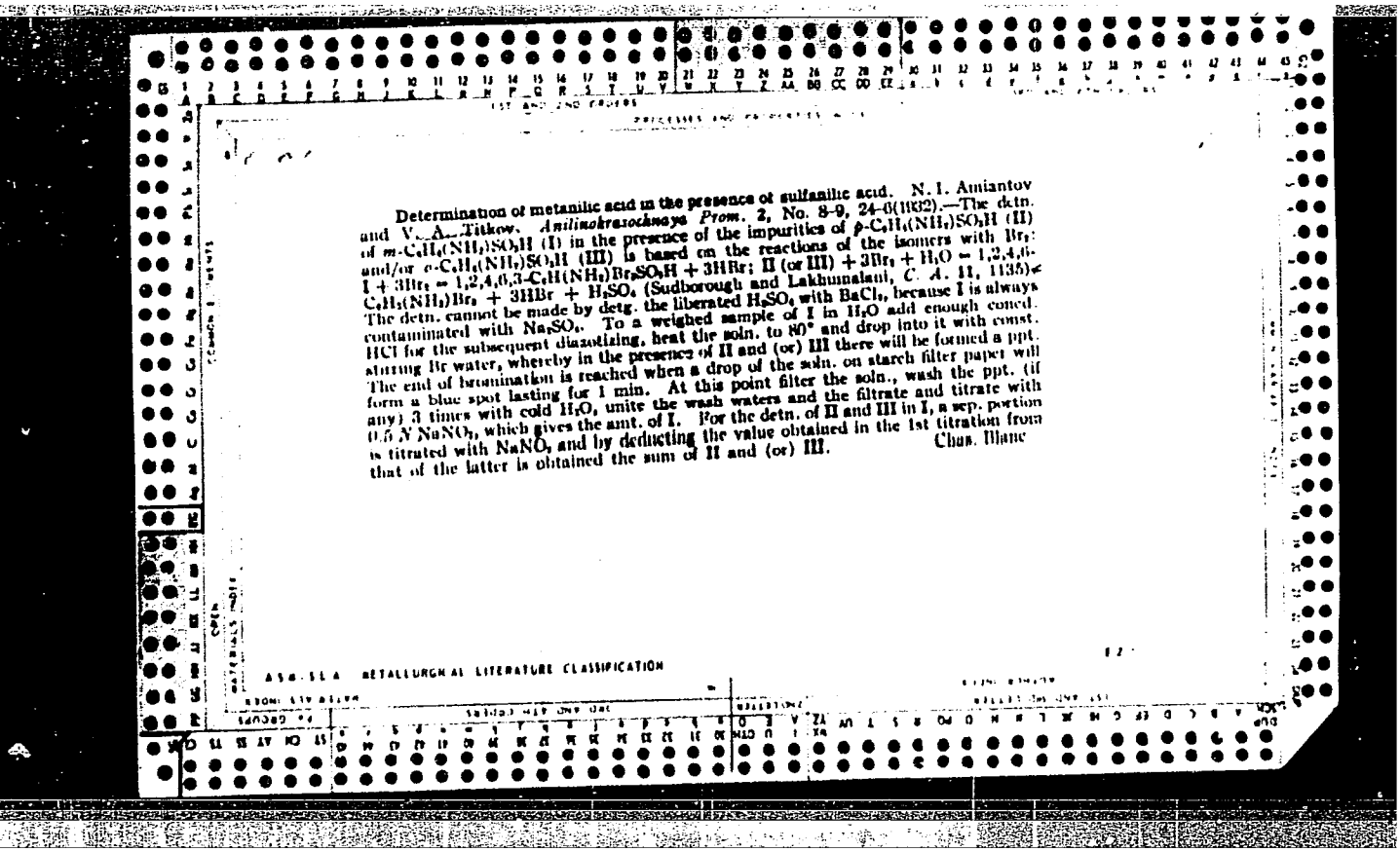

Determination of metanilic acid in the presence of sulfanilic acid. N. I. Amiantov and V. A. Titkov. *Anilinokraskovaya Prom.* 2, No. 8-9, 24-6(1932).—The detn. of *m*-$C_6H_4(NH_2)SO_3H$ (I) in the presence of the impurities of *p*-$C_6H_4(NH_2)SO_3H$ (II) and/or *o*-$C_6H_4(NH_2)SO_3H$ (III) is based on the reactions of the isomers with Br_2: I + $3Br_2$ = 1,2,4,6,3-$C_6H(NH_2)Br_2SO_3H$ + 3HBr; II (or III) + $3Br_2$ + H_2O = 1,2,4,6-$C_6H_2(NH_2)Br_2$ + 3HBr + H_2SO_4 (Sudborough and Lakhumalani, *C. A.* 11, 1135). The detn. cannot be made by detg. the liberated H_2SO_4 with $BaCl_2$, because I is always contaminated with Na_2SO_4. To a weighed sample of I in H_2O add enough concd. HCl for the subsequent diazotizing, heat the soln. to 80° and drop into it with const. stirring Br water, whereby in the presence of II and (or) III there will be formed a ppt. The end of bromination is reached when a drop of the soln. on starch filter paper will form a blue spot lasting for 1 min. At this point filter the soln., wash the ppt. (if any) 3 times with cold H_2O, unite the wash waters and the filtrate and titrate with 0.5 *N* $NaNO_2$, which gives the amt. of I. For the detn. of II and III in I, a sep. portion is titrated with $NaNO_2$, and by deducting the value obtained in the 1st titration from that of the latter is obtained the sum of II and (or) III.

Chas. Blanc

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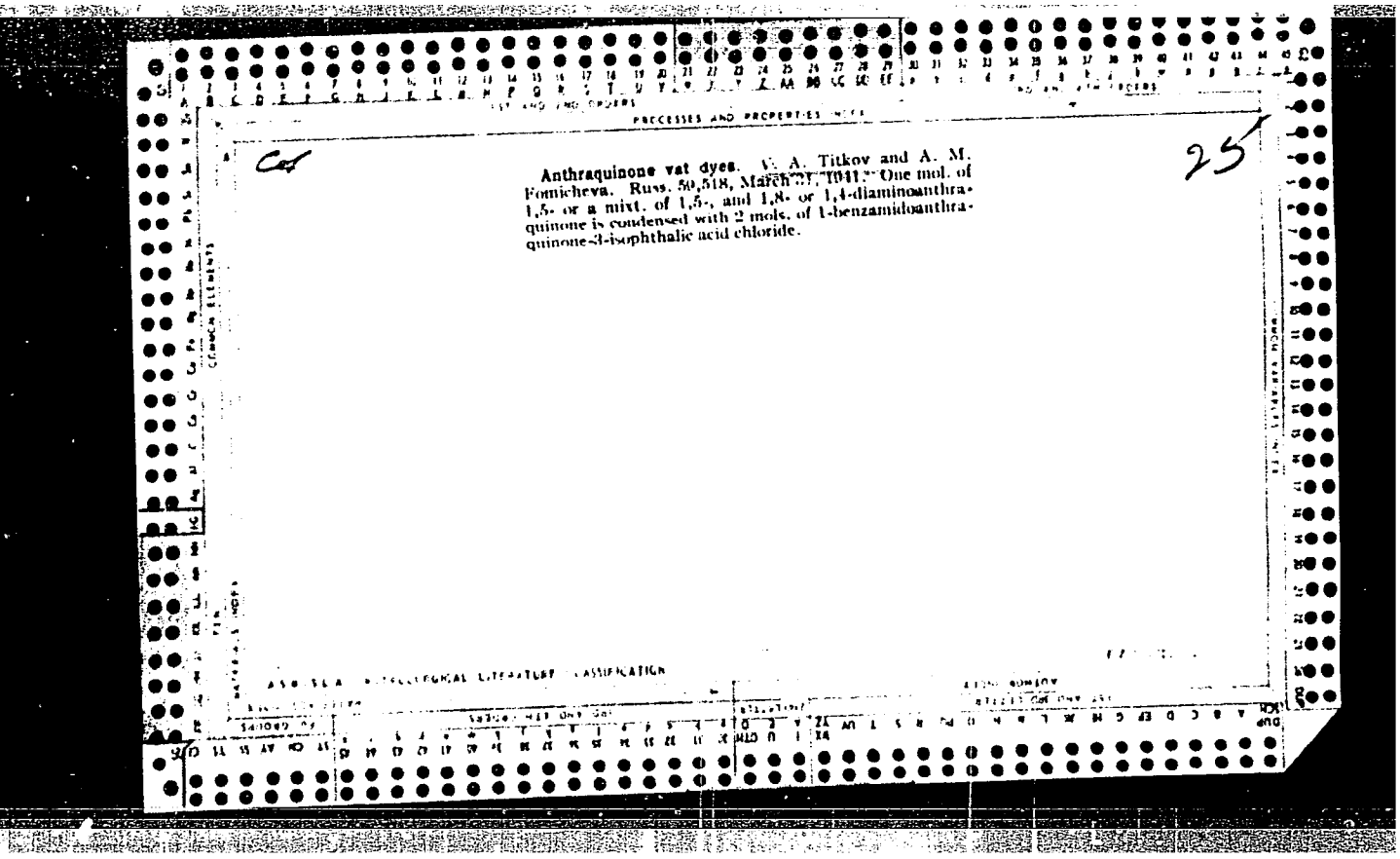

Anthraquinone vat dyes. V. A. Titkov and A. M. Fomicheva. Russ. 50,518, March 31, 1941. One mol. of 1,5- or a mixt. of 1,5-, and 1,8- or 1,4-diaminoanthraquinone is condensed with 2 mols. of 1-benzamidoanthraquinone-3-isophthalic acid chloride.

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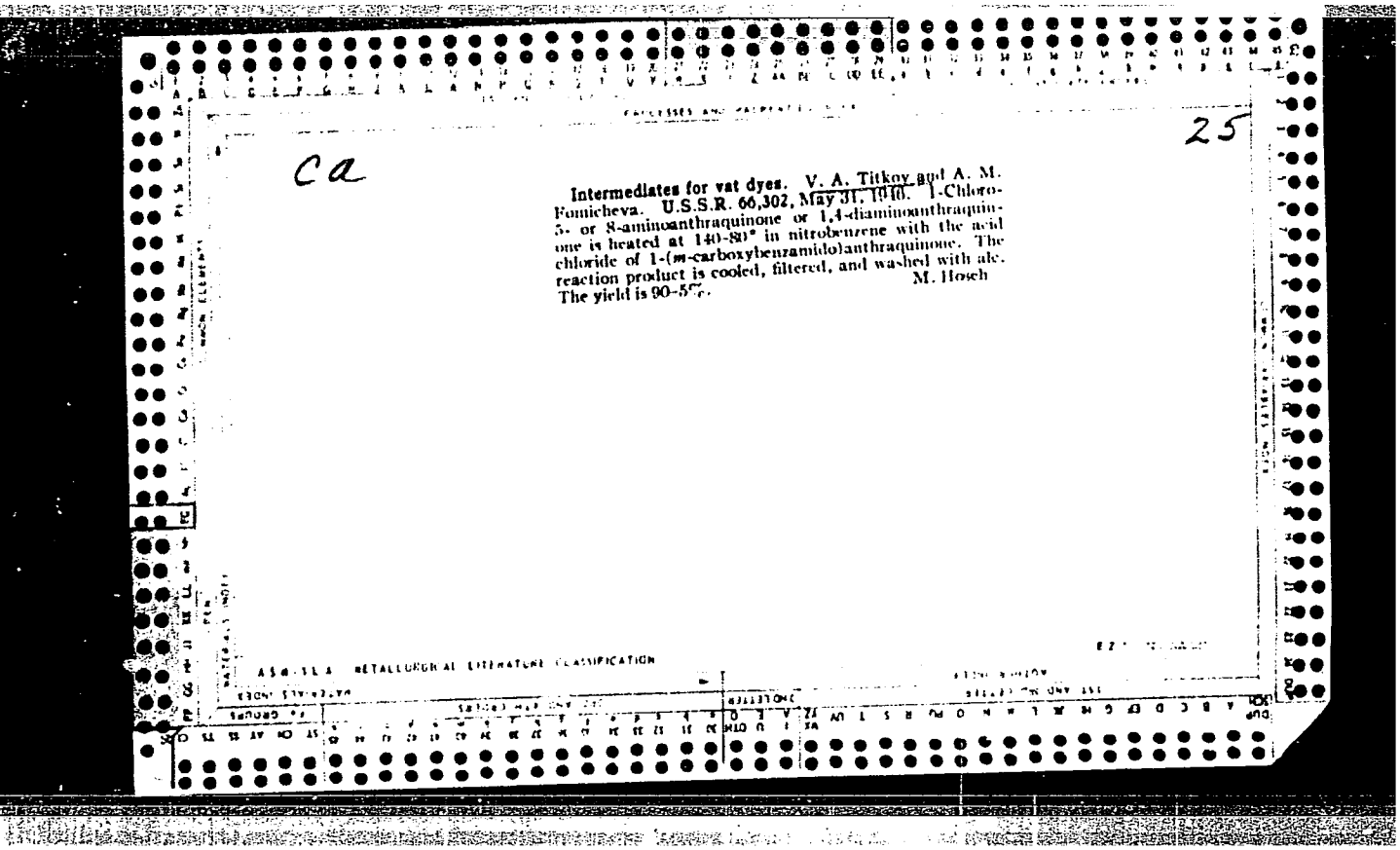

ca

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Intermediates for vat dyes. V. A. Titkov and A. M. Fomicheva. U.S.S.R. 66,302, May 31, 1946. 1-Chloro-5- or 8-aminoanthraquinone or 1,4-diaminoanthraquinone is heated at 140-80° in nitrobenzene with the acid chloride of 1-(*m*-carboxybenzamido)anthraquinone. The reaction product is cooled, filtered, and washed with alc. The yield is 90-5%. M. Hosch

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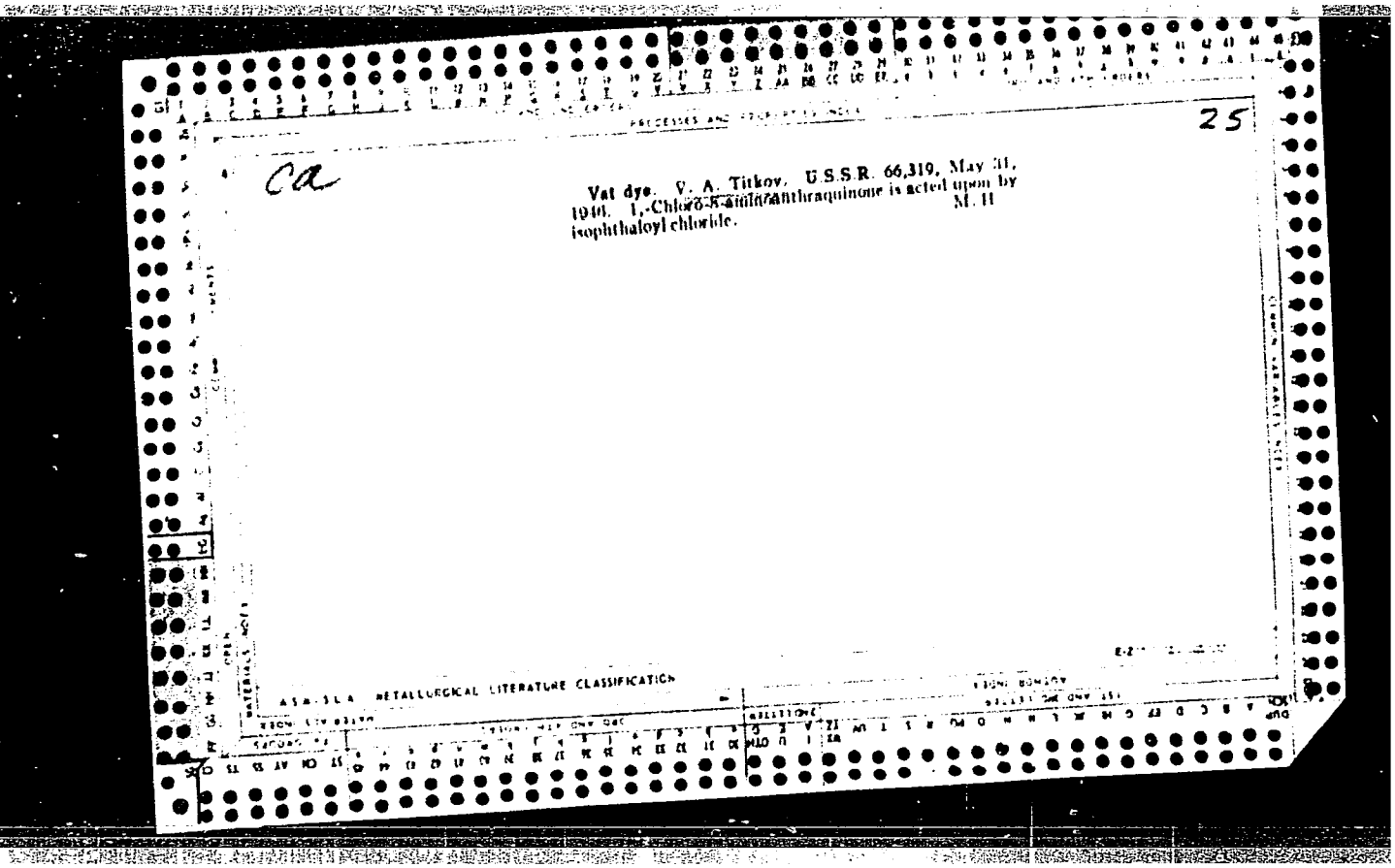

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Vat dye. V. A. Titkov. U.S.S.R. 66,319, May 31, 1940. 1-Chloro-5-aminoanthraquinone is acted upon by isophthaloyl chloride. M. H

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

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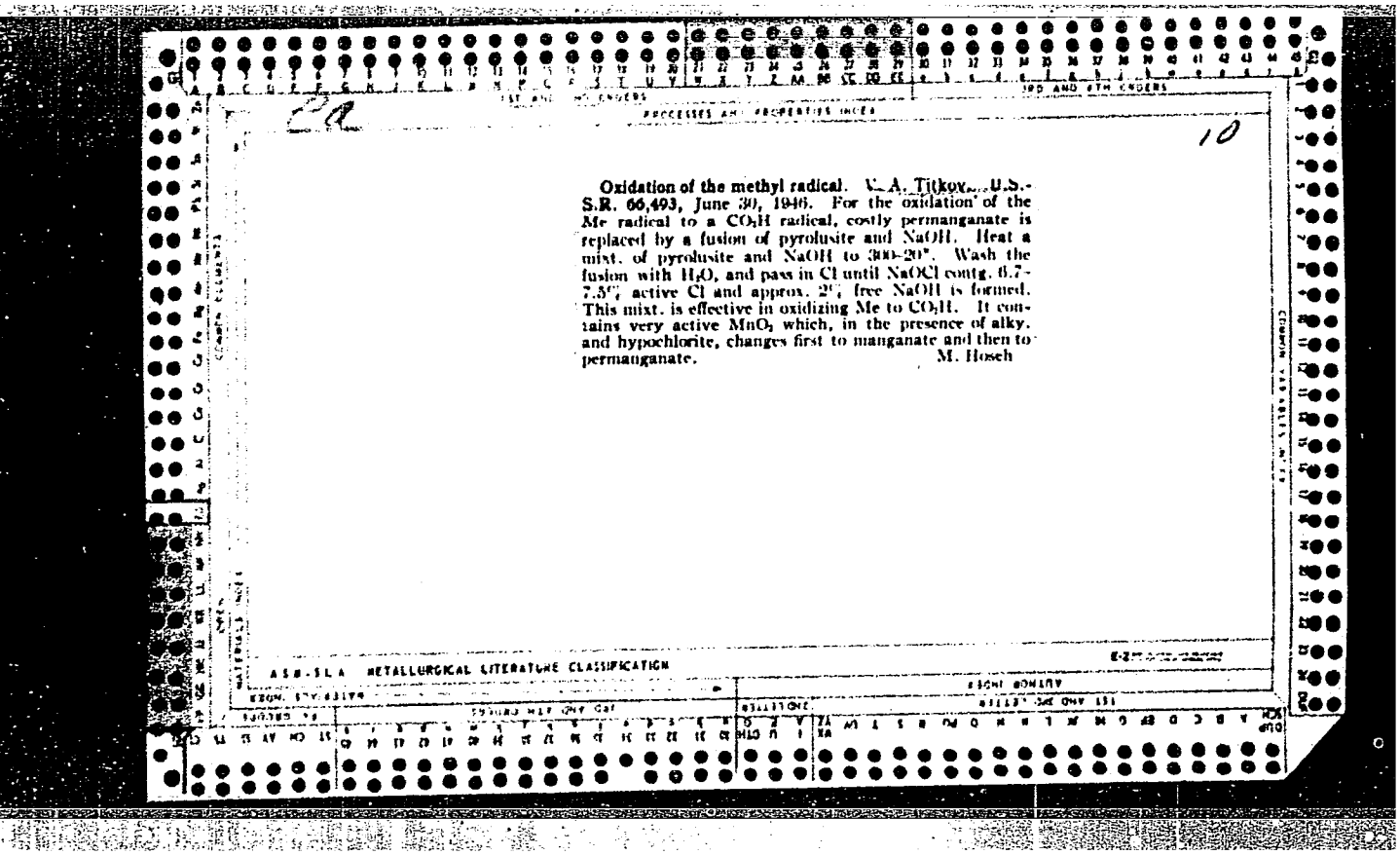

Oxidation of the methyl radical. V. A. Titkov, U.S.S.R. 66,493, June 30, 1946. For the oxidation of the Me radical to a CO_2H radical, costly permanganate is replaced by a fusion of pyrolusite and NaOH. Heat a mixt. of pyrolusite and NaOH to 300-20°. Wash the fusion with H_2O, and pass in Cl until NaOCl contg. 6.7-7.5% active Cl and approx. 2% free NaOH is formed. This mixt. is effective in oxidizing Me to CO_2H. It contains very active MnO_2 which, in the presence of alky. and hypochlorite, changes first to manganate and then to permanganate.

M. Hoseh

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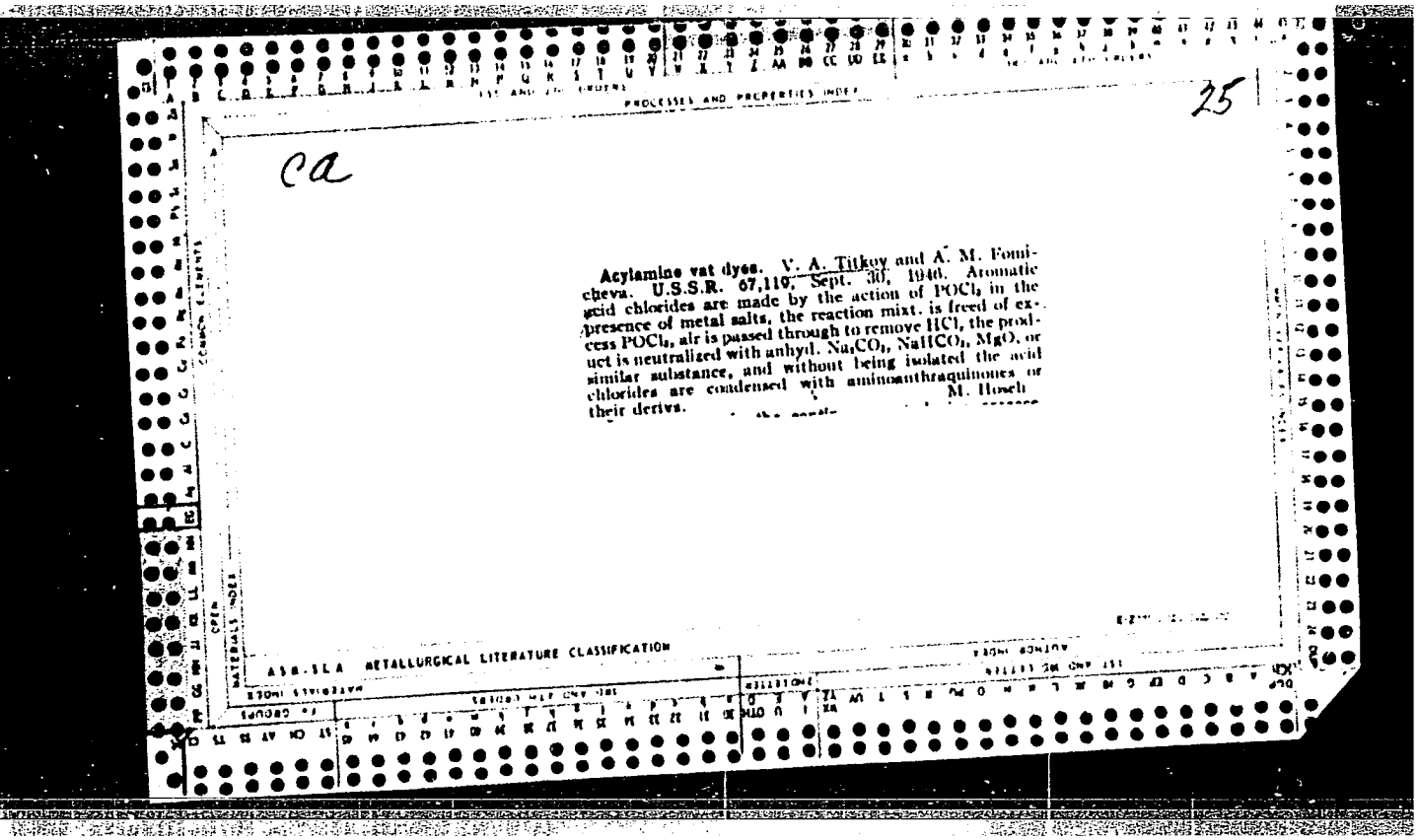

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Acylamino vat dyes. V. A. Titkov and A. M. Fomicheva. U.S.S.R. 67,110, Sept. 30, 1946. Aromatic acid chlorides are made by the action of $POCl_3$ in the presence of metal salts, the reaction mixt. is freed of excess $POCl_3$, air is passed through to remove HCl, the product is neutralized with anhyd. Na_2CO_3, $NaHCO_3$, MgO, or similar substance, and without being isolated the acid chlorides are condensed with aminoanthraquinones or their derivs. M. Hosch

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V. A. Cand. Chem. Sci.

Dissertation: "Sulfuration of 9, 10-Phenanthrenequinone." Moscow State Pedagogical Inst imeni V. I. Lenin, 3 Mar 47.

SO: Vechernyaya Moskva, Mar, 1947 (Project #17836)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

PLETNEV, I.D.; TITKOV, V.A.; VAYNTROB, S.S.; TOROCHESHNIKOVA, L.V.

New synthesis of dyes of the triazine series. Part 4: Dyes for synthetic fibers. Zhur. org. khim. 1 no.11:2019-2022 N '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley. Submitted December 26, 1964.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.A.; PLETNEV, I.D.

Connection between the structure of vat anthraquinone dyes and their photoactivity. Zhur. prikl. khim. 36 no.5:1116-1122 My '63. (MIRA 16:8)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i koasiteley.
(Anthraquinones) (Dyes and dyeing) (Photochemistry)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.A.; PLETNEV, I.D.

New synthesis of dyes of the triazine series. Part 3: Vat phenyl (alkyl)triazine dyes. Zhur.ob.khim. 33 no.6:1983-1988 Je '63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

(Dyes and dyeing) (Triazine)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.A.; KOLOBOLOTSKAYA, T.A.

Problem of the connection between the structure of anthraquinone vat dyes and their photoactivity. Zhur. prikl. khim. 36 no.4: 843-856 Ap '63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

(Anthraquinones) (Photochemistry)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.A.; PLETNEV, I.D.

New synthesis of dyes of the triazine series. Part 2: Vat dyes of the triazole-triazine series. Zhur.ob.khim. 33 no.4:1355-1357 Ap '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley. (Dyes and dyeing) (Triazine)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.A.; PLETNEV, I.D.

New synthesis of dyes of the triazine series. Part 1: Vat dyes. Zhur.ob.khim. 33 no.3:963-966 Mr '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.
(Triazine)
(Dyes and dyeing)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITOV, V.A.; Prinimala uchastiye SERGEYEVA, G.G.

Corrosion of metals in aqueous solutions of ammonia and ammonium carbonate. Khim.prom. no.9:683-686 S '62. (MIRA 15:11)

1. Moskovskiy institut stali.
(Metals--Corrosion)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

COUNTRY :USSR
CATEGORY :General Problems of Pathology. Inflammation

ABS. JOUR. : RZBiol., No. 12 1958, No. 56182

AUTHOR :Titkov, V.A.
INST. :Moscow Society of Investigators of Nature
TITLE :Changes in the Soft Tissues of the Extremities in Denervation

ORIG. PUB. :Byul. Mosk. O-va Ispyt. Prirody. Otd. Biol., 1957, Vol.62, No.2, 138

ABSTRACT In 15 cats the brachial plexus was transected, and in 25 the spinal sensory ganglia at C_{4-5} and D_{1-2} were extirpated. In the distal parts of the denervated extremities, 11 to 15 days after resection of the brachial plexus and 9 to 60 days after extirpation of the sensory ganglia, trophic ulcers developed on the skin. -- K.P.Ganina

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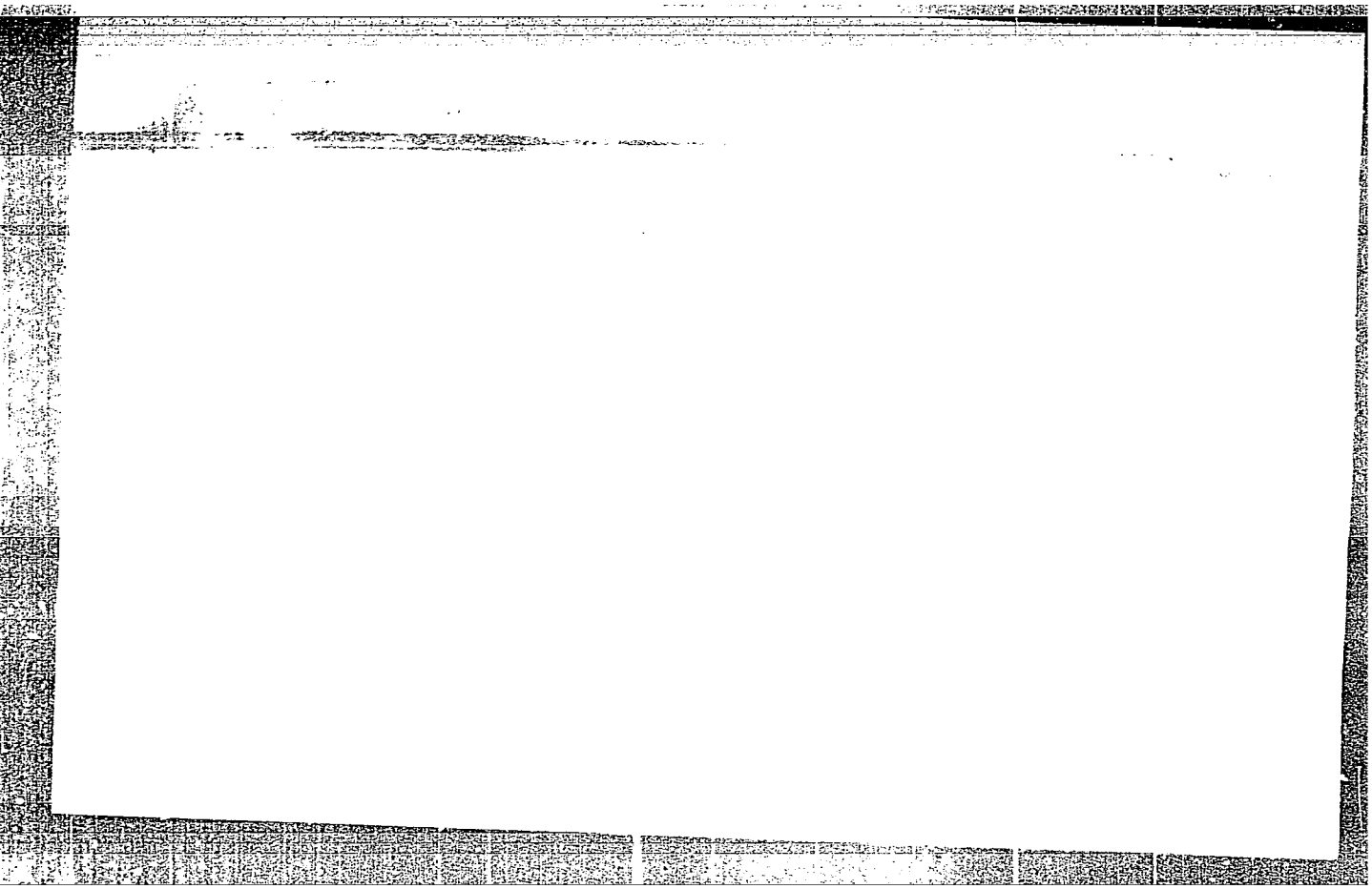

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

BRODSKIY, A.M.; LAVROVSKIY, K.P.; NAYMUSHIN, N.N.; TITKOV, V.B.; FILATOVA, Ye.D.

Chromatographic analysis of mixtures of alkylenes and diolefins. Khim. i tekh.topl. i masel 4 no.3:30-32 Mr '59. (MIRA 12:4)

1. Institut nefti AN SSSR.
(Chromatographic analysis) (Olefins)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

L 46310-66 EWT(m)

ACC NR: AP6019631 (A, IV) SOURCE CODE: UR/0048/66/030/002/0343/0348

AUTHOR: Mikhaleva, T.N.; Zazulin,V.S.; Chuprunov,D.L.; Titov,V.I. 8 B

ORG: Scientific Research Institute of Nuclear Physics, Moscow State University im. M.V.Lomonosov (Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universitota)

TITLE: A scintillation spectrometer with charged particle discrimination /Report, Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure, held at Minsk, 25 January to 2 February 1965/ 19

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 2, 1966, 343-348

TOPIC TAGS: scintillation spectrometer, gamma spectrometer, proton spectrometer, alpha particle spectrometer, gamma ray ~~gamma background, proton, alpha particle~~

ABSTRACT: There is described a scintillation spectrometer employing a single CsI(Tl) crystal and a single photomultiplier with which pulses due to α rays, protons, and α particles can be distinguished, identified, and recorded in different channels of a multichannel pulse analyzer, depending on the energies of the particles producing them. The technique for identifying the particles is based on the fact that the current pulse on a dynode of the photomultiplier has the form of a decreasing exponential, of which the time constant depends on the nature of the particle producing

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L 46230-66
ACC NR: AP6019631

the pulse. An electronic circuit for performing the identification is described in some detail. With the described circuit it is possible simultaneously to record α particles, protons, and γ rays, to record only α particles and protons in the presence of a γ-ray background, or to record only α particles in the presence of protons and γ rays, and to accumulate the pulses in different channels of a pulse height analyzer depending on the energies of the particles. When several kinds of particles are recorded simultaneously, however, a single channel of the analyzer corresponds to different energies for the different kinds of particles. The instrument was tested by recording the α particles, protons, and γ rays from an aluminum target bombarded with 6.6 MeV protons, and the recorded spectra, as well as discrimination curves, are presented. The instrument has proved to be satisfactory in some 18 months of operation. Orig. art. has: 6 figures.

SUB CODE: 20,09/18 SUBM DATE: 00 ORIG. REF: 002 OTH REF: 005

Card 2/2 afs

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.; L'VOVA, L.A., vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[Tanks for the storage of petroleum products under high pressure] Rezervuary dlia khraneniia nefteproduktov pod povyshennym davleniem. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1951. 74 p.
(Petroleum products--Storage) (MLRA 10:1)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

- TITKOV, V.I.

(1)

V 303. RESERVOIRS FOR STORAGE OF PETROLEUM PRODUCTS AT INCREASED PRESSURE. (REZERVUARY DLYA KHRANENIYA NEFTEPRODUKTOV PRI POVYSHENNOM DAVLENIIKH). Titkov, V.I. (Moscow: Gostoptekhizdat, 1952 76pp., 3.50 rbls; abstr. in Neftegaz Heft. Gas., Pererab. Trans. Khran. Heft. (Books Petrol. & Gas, Treatm. Trans. Stor. Petrol.), 1953, 11). Particulars are given of standard tanks for bright petroleum products at 20 mm water and of modified existing tanks and planned new ones for pressures up to 180 mm.

10/27/54

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV,V.I.; BOGDANOV,V.N.; MAKAROV,A.I.

[Planning and construction of petroleum tank farms] Proektirovanie i stroitel'stvo neftebaz. Moskva, Gos.nauchno-tekh. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 424 p. (MLRA 8:9)
(Petroleum--Storage)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

Subject : USSR/Engineering AID P - 2724

Card 1/1 Pub. 78 - 21/27

Authors : Titkov, V. I. and A. M. Aleksandrov

Title : New hermetically closing seals for oil tanks with floating roofs

Periodical : Neft. khoz., v. 33, #6, 83-88, Je 1955

Abstract : New designs of flexible seals for the space between the roof rim and the tank shell are suggested for pontoon roofs. Diagrams.

Institution : Moscow Petroleum Institute Im. Gubkin; Experimental Design Office of the Ministry of the Petroleum Industry, USSR

Submitted : No date

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

Subject : USSR/Engineering AID P - 2728

Card 1/1 Pub. 78 - 25/27

Author : Aranovich, D.

Title : Titkov, V. I., Bogdanov, V. N. and Makarov, A. I. Proyektizovaniye i stroitel'stvo neftebaz planning and building of oil-bases 1953 (Review)

Periodical : Neft. khoz. v. 33, #6, 92-94, Je 1955

Abstract : The reviewed book deals with all the aspects of planning oil depots, small and large, and in its second part treats construction materials and building procedures, also plans of various types of oil storage and tanks.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

Titkov, V I

Subject : USSR/Engineering AID P - 3972

Card 1/1 Pub. 78 - 17/27

Author : Titkov, V. I.

Title : Composite oil storage tank preventing the losses of oil products caused by small and large breathing.

Periodical : Neft. khoz., v. 33, #12, 68-71, D 1955

Abstract : The author suggests a new design for a floating roof oil storage tank. Instead of the usual flexible seal connecting the space between the roof rim and the tank shell, an impregnable fabric of sufficient width is firmly attached with one edge to the roof rim and with the other to the tank shell. Photos.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V. I.

"Scientific Research Operations Pertaining to the Transport and Storage of Petroleum and Petroleum by Products" page 85 of the book Petroleum Bases and Pipe Lines, Gostoptekhizdat, 1956

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

BEREZHNAYA, V.D.; KAPUSTIN, B.N.; KOZOREZOVA, A.A.; MATSKIN, L.A.; STARKOV, G.V.; TITKOV, V.I.; SMELYANSKIY, V.A., redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Manual on petroleum products in agriculture] Spravochnik po nefteproduktam v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 343 p.
(Petroleum products) (MLRA 10:4)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.; ALEKSANDROV, A.M.; STEPANENKO, I.A.

Study of hermetic seals in floating roof tanks. Trudy VNII NP no.5: 86-99 '56. (MLRA 9:8)
(Tanks) (Petroleum--Storage)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

Combined tank for storing petroleum products without evaporation loss. Trudy VNII NP no.5:100-104 '56. (MLRA 9:8)
(Tanks) (Petroleum--Storage)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, Vladimir Iosafovich; LOZBYAKOVA, Ye.S., inzhener, vedushchiy redaktor; KHLEBNIKOVA, L.A., tekhnicheskiy redaktor

[Tanks with floating roofs] Rezervuary s plavaiushchei kryshei. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 52 p.
(Tanks) (MLRA 10:7)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

The floating roof is an effective method for preventing losses of petroleum products. Dokl. AN Arm.SSR 24 no.2:6-8 '57.

(MLRA 10:4)

1. Glavnyy ekspert otdela tekhnicheskoy ekspertizy Ministerstva neftyanoy promyshlennosti.

(Petroleum--Storage) (Tanks)

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

Consultation. Neftianik 8 no.2:31 F '63. (MIRA 16:10)

1. Chlen redaktsionnoy kollegii zhurnala "Neftyanik."

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

From the editor. Neftianik 8 no.1:34 Ja '63. (MIRA 16:3)

1. Chlen redaktsionnoy kollegii zhurnala "Neftyanik".
(Lubrication and lubricants) (Fuel)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

Heat calculation of tanks with floating tops. Trudy VNII no.35:155-169 '61. (MIRA 15:1)

(Tanks)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.; TEBIYEV, K.G.

Calculating gas-level systems for tank farms. Trudy VNII no.35:142-154 '61. (MIRA 15:1)

(Tanks)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

Oil losses control in fields. Trudy VNII no.22:25-38 '59.
(MIRA 15:4)
(Tanks)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

PHASE I BOOK EXPLOITATION SOV/5198

Titkov, V. I., ed.

Spravochnik po oborudovaniyu neftebaz (Manual on Petroleum Storage Depot Equipment) Moscow, Gostoptekhizdat, 1959. 463 p. 5,600 copies printed.

Authors: M. L. Belinskiy, V. A. Bunchuk, P. P. But, A. F. Vinogradov, S. R. Kofman, R. N. Kukushkina, L. A. Matskin, I. I. Moskal'kov, B. V. Mishin, M. D. Nadezhdin, N. M. Olenev, S. N. Rozen, and V. I. Titkov; Scientific Ed.: M. P. Novikova; Tech. Ed.: A. V. Trofimov.

PURPOSE: This book is intended for engineers and technicians working in the field of transportation and storage of petroleum and petroleum products.

COVERAGE: The manual includes data on equipment used in loading and unloading, storage, and transfer of petroleum and petroleum products on tank farms. The characteristics of tanks and

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fittings, pipelines and accessories, steam boilers, preheaters, and pumps are described in detail. The characteristics of equipment used in water and electric supply systems, and in sewer, heating, and ventilation systems are also covered. Data on instrumentation and automation as well as on auxiliary equipment of tank farms are included. Data on planning new tank farms and reconstructing existing ones without the need of special planning organizations are also included. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, Vasiliy Ivanovich; MIRONOV, T.V., red.; MATVEYEV, A.P., tekhn.red.

[Where the sky is always blue] Gde vechno nebo goluboe. Moskva, Izd-vo "Sovetskaia Rossiia," 1960. 47 p.

(MIRA 14:1)

(Mongolia--Economic conditions)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

Calculating gas connections for oil storage tanks.
Neft. khoz. 38 no.6:61-65 Je '60. (MIRA 13:7)
(Tanks)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V. I., Candidate Tech Sci (diss) -- "Combatting the evaporation loss of oil and oil products in vertical reservoirs by reducing the evaporation surface", Moscow, 1959. (Gosplan USSR, Main Admin of Sci Res and Design Organizations, All-Union Petroleum-Gas Sci Res Inst VNII), 150 copies (KL, No 23, 1959, 168)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

TITKOV, V.I.

We need an urgent revision of the All-Union State Standards on tank equipment. Neft.khoz. 36 no.11:67-70 N '58.
(MIRA 11:12)

(Tanks) (Petroleum industry--Standards)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9"

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

11(4)

SOV/92-58-10-23/30

AUTHOR: Titkov, V.I.

TITLE: Answer to Panshin (Otvet t. Panshinu)

PERIODICAL: Neftyanik, 1958, Nr 10, p 30 (USSR)

ABSTRACT: In a letter published in the above periodical under "Letters and Consultations" Panshin, receiver and deliverer at a bulk plant, inquires as to why a considerable leftover remains in a tank car emptied by a centrifugal pump during the warm weather, while no leftover remains in a car during the cold weather. In his reply to Panshin the author states that leftovers are due to cavitation (gas plug formation) occurring in the sucking line of a pump when the temperature is high. He makes suggestions as to how this cavitation could be eliminated and invites the bulk plant personnel to advise him through Neftyanik of the result of his recommendation.

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755820013-9

11(0)
AUTHOR: Titkov, V.I.

SOV/93-58-11-14/15

TITLE: The GOST Specifications for Auxiliary Tank Farm Equipment Are in Urgent Need of Revision (Neobkhodimo srochno peresmotret' GOST na rezervuarnoye oborudovaniye)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 11, pp 66-70 (USSR)

ABSTRACT: The GOST specifications for auxiliary tank farm equipment set up in 1947 do not satisfy present day requirements. The GOST 3746-47 specification which designates the location of tank farm equipment and the GOST 3691-47 specification for breather valves do not include the factor of climate and the result is that the equipment freezes in cold weather (Fig. 1). A study by the former VNIITneft' Institute showed that the GOST specifications for breather valve capacity do not correspond to the gage (Table) and the result is that the roof and upper zone of the tank often become deformed (Figs. 2-3). The GOST 3726-47 specification for siphon pipes designated primarily for draining water from storage tanks does not satisfy present day requirements. The GOST 3690-47 specification for the two-way connecting pipe does not assure the required storage tank drainage. The defects in the GOST specifications as well as the replacement of old equipment, such as the replacement of the reservoir level gage, designed according to the GOST 3727-47 specification, by the remote

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